BRUHATH BANGALORE MAHANAGARA PALIKE

~~South~~ Yelahanka Zone

Work Slip: As per Std Tender Documents

Name of Work: Improvements to Someshwara Hill and Surrounding areas at Attur Ward No.03 in Yelahanka Satelite Town Sub Division

Estimate Amount:- 40000000.00
Name of Contractor:- Sri.Gopi Reddy
Approved amount:- 33582631.73
Tender premium:- Below 0.02%

Sl. No.	Description of Work	Unit	Qty as per ScheduleB			Total Qty Executed	Qty. as per Anticipated upto 125%			Qty. as per Anticipated above 125%			Total Amount	Excess amount	Savings amount	Remarks
			Qty	Rates	Amount		Qty.	Rates	Amount	Qty.	Rates	Amt				
1	2	3	4	5	6	10	11	12	13	14	15	16	17	18	19	20
1	KSRRB 200-9. Clearing and grubbing road land including uprooting rank vegetation, grass, brush, shrubs, saplings and trees of girth upto 300mm, by manual means, in area of thorney jungle, removal of stumps, disposal of unserviceable materials, stacking of serviceable materials labour charges complete as per	Sqm	5150.00	15.90	81885.00	13685.37	6437.50	15.90	102356.25	7247.87	15.90	115241.13	217597.38	135712.38	0.00	
2	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications	Cum	1801.04	215.28	387727.89	3427.46	2251.30	215.28	484659.86	1176.16	215.28	253204.37	737864.23	350136.34	0.00	
3	KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications. MORTH Specification No. 301	Cum	3516.25	55.46	195011.23	6150.07	4395.31	55.46	243764.03	1754.76	55.46	97318.85	341082.88	146071.66	0.00	
4	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications.	Cum	4.80	2574.74	12358.75	0.00	0.00	2574.74	0.00	0.00	2574.74	0.00	0.00	0.00	12358.75	
5	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all	Cum	418.51	5421.90	2269119.37	443.06	443.06	5421.90	2402239.21	0.00	5421.90	0.00	2402239.21	133119.84	0.00	

6	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per	Cum	255.62	7070.20	1807284.52	94.95	94.95	7070.20	671343.77	0.00	7070.20	0.00	671343.77	0.00	1135940.75	
7	KSRB 4-1.5 : Providing and laying in position plain cement concrete of Mix M20 with OPC @ 300kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.43cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM	Cum	59.23	5647.68	334512.09	94.63	74.04	5647.68	418140.11	20.59	5647.68	116299.85	534439.96	199927.87	0.00	
8	"KSRRB M2100-12.1. Providing and constructing Stone Masonry Work in Cement Mortar 1:3 in Foundation complete as per Drawing and Technical Specifications including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as per specifications A. Square Rubble Coursed Rubbie Masonry (first sort)" MORTH	Cum	51.74	4615.24	238792.52	22.50	22.50	4615.24	103842.90	0.00	4615.24	0.00	103842.90	0.00	134949.62	
9	KSRB 5-14: Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 confirming to IS 2185 (Part 1):2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials labour charges, scaffolding, curing, hire charges of machineries etc., complete as per specifications. with solid	Sqm	462.56	979.44	453049.77	366.29	366.29	979.44	358759.08	0.00	979.44	0.00	358759.08	0.00	94290.69	
10	KSRB15-3.8 : Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as	Sqm	925.12	276.66	255943.70	705.77	705.77	276.66	195258.33	0.00	276.66	0.00	195258.33	0.00	60685.37	
11	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains,	Sqm	925.12	360.40	333413.25	0.00	0.00	360.40	0.00	0.00	360.40	0.00	0.00	0.00	333413.25	

12	Fabricating providing and erecting in position of MS Hot Dip galvanized sq hallow poles of 132 x132 heavy gauge length 3000mm with MS Hot Dip galvanized grill work as per approved design and drawing of chief architect using 12 x75mm galvanized flat for alround frame and 20 x 20mm galvanized forged ornamental arrow head in top and buttom the work is inclusive of throughing flat square rods placing welding all the joints including griding finishing 2 coats of anticorrossive paint over one coat of metal primer the rate is inclusive of all materials all items of work cost painting welding cutting	Sqm	816.06	9144.00	7462052.64	1090.62	1020.08	9144.00	9327565.80	70.55	9144.00	645063.48	9972629.28	2510576.64	0.00	
13	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.	Sqm	360.40	273.48	98562.19	491.13	450.50	273.48	123202.74	40.63	273.48	11111.49	134314.23	35752.04	0.00	
14	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.MORTH	MT	26.99	66712.16	1800561.20	21.73	21.73	66712.16	1449437.42	0.00	66712.16	0.00	1449437.42	0.00	351123.78	
15	Providing and fixing granite flooring in combination of 19mm thick (Avg) gang saw water cut LAKARED granite with 86% and with 14% of 19mm thicl (avg) Black granite in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with	Sqm	18.24	3655.94	66684.35	0.00	0.00	3655.94	0.00	0.00	3655.94	0.00	0.00	0.00	66684.35	
16	Fabricating, supplying & erecting M.S. Angular Truss for all spans as per approved designs and drawing. The entire truss is anchored suitably by using 4 Nos. of M.S. anchor bolts at each support, with base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S angle and welding wherever necessary, and applying one coat of red oxide primer coat to all the members including cost of all materials, labour charges, & hire charges of machineries for cutting, welding, grinding &	Kgs	5405.00	135.68	733350.40	0.00	0.00	135.68	0.00	0.00	135.68	0.00	0.00	0.00	733350.40	

17	Providing and fixing 6mm clear / opal white / solar / bronze / blue / green tinted multi wall poly carbonate sheet for tubular structure. The work including cost of all materials, labour charges and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lifts, transportation, loading and unloading and all other incidental charges etc. complete as per specification and directions of the engineer in charge of the work.	Sqm	552.50	3313.56	1830741.90	0.00	0.00	3313.56	0.00	0.00	3313.56	0.00	0.00	0.00	1830741.90	
18	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72x72x4.8 mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq.rod for verticals at 150mm c/c , as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanized	Sqm	15.02	12475.00	187374.50	18.20	18.20	12475.00	227045.00	0.00	12475.00	0.00	227045.00	39670.50	0.00	
19	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13	Cum	426.05	4871.76	2075613.35	665.26	532.56	4871.76	2594516.69	132.70	4871.76	646470.37	3240987.06	0.00	0.00	
20	Diversion of water course by providing Coffer dams or bunds or islands as may be necessary for piers and abutments foundations, bailing out or pumping water during excavation and until completion etc., including cost of materials, labour, HOM complete as per specifications. beyond 1.50 mtrs depth upto &	Cum	412.80	417.64	172401.79	0.00	0.00	417.64	0.00	0.00	417.64	0.00	0.00	0.00	172401.79	
21	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM	Cum	56.27	5747.32	323401.70	31.62	31.62	5747.32	181730.26	0.00	5747.32	0.00	181730.26	0.00	141671.44	
22	Providing and Fixing pre cast covering Slab 100mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.As per Engineer incharge.	Sqm	643.20	2337.00	1503158.40	239.94	239.94	2337.00	560739.78	0.00	2337.00	0.00	560739.78	0.00	942418.62	

23	Providing and fixing RCC precast cover slab of 250mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge.	Sqm	28.80	5418.00	156038.40	6.60	6.60	5418.00	35758.80	0.00	5418.00	0.00	35758.80	0.00	120279.60	
24	Construction of granular sub-base Grading-V as Sub-base and drainage layer by providing coarse graded crushed stone aggregates of granite/ trap/basalt material, mixing in a mechanical mix plant at OMC, Carriage of mixed material to work site, spreading in uniform layers with motor grader on prepared surface and compacting with vibratory power	Cum	217.80	1994.92	434493.58	455.15	272.25	1994.92	543116.97	182.90	1994.92	364870.87	907987.84	0.00	0.00	
25	KSRB 14.6 : Providing and laying heavy duty cobble stones interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface joints	Sqm	1089.00	1176.60	1281317.40	2015.39	1361.25	1176.60	1601646.75	654.14	1176.60	769661.12	2371307.87	1089990.47	0.00	
26	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift.	Nos	2667.00	432.48	1153424.16	2558.00	2558.00	432.48	1106283.84	0.00	432.48	0.00	1106283.84	0.00	47140.32	
27	Painting two coats after filling the surface with synthetic enamel paint in approved shades on new plastered concrete surfaces, with materials, labour complete as per specifications. MORTH Chapter 8 Specification No. KSRRB M800-6.	Sqm	480.00	84.80	40704.00	433.84	433.84	84.80	36789.63	0.00	84.80	0.00	36789.63	0.00	3914.37	
28	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mis finished with flush pointing using white cement, including cost of materials, mortar, including	Sqm	54.00	1305.92	70519.68	0.00	0.00	1305.92	0.00	0.00	1305.92	0.00	0.00	0.00	70519.68	

29	Executive Bench- Made out of Sadarahalli grey stone with hand supports with 3 line finishing with arch design with 100mm slabs. Height 90x Length 1500 width 45 cms	Each	20.00	18200.00	364000.00	0.00	0.00	18200.00	0.00	0.00	18200.00	0.00	0.00	0.00	364000.00	
30	Manufacturing, Providing and Fixing a Gazebo (of size 22 feet Dia-Aproximate) made of MS Round pipes of 6 inches diameter of 12 SWG for pillars 10 feet in height, in which 8 feet will be above the ground level and 2 feet embedded in cement concrete and providing with MS plate on top of the pillar. MS I section 100x50mm of heavy gauge (for rafter) in placed between the poles on the top of the flush plate. Also MS angular tube of 100x40mm are to be	Each	3.00	387925.00	1163775.00	0.00	0.00	387925.00	0.00	0.00	387925.00	0.00	0.00	0.00	1163775.00	
31	KSRRB M300-14. Excavation for roadwork in soil with hydraulic excavator of 0.9 cum bucket capacity including cutting and loading in tippers, trimming bottom and side slopes, in accordance with requirements of lines, grades and cross sections, and transporting to the embankment location to a lead of 1km and	Cum	480.00	63.94	30691.20	1046.66	600.00	63.94	38364.00	446.66	63.94	28559.31	66923.31	36232.11	0.00	
32	Constructing un-reinforced, plain cement concrete for pavements using Grade concrete M30 over a prepared base with OPC coarse aggregate at 0.69 cum, fine aggregates at 0.46 cum,Coarse and fine aggregate conforming to IS:383-2016, with Superplastizer at 3 lts conforming to IS 9103-2008. mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per	Cum	240.00	5210.96	1250630.40	263.03	263.03	5210.96	1370649.23	0.00	5210.96	0.00	1370649.23	120018.83	0.00	
33	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and	Cum	6.00	5747.32	34483.92	15.23	7.50	5747.32	43104.90	7.73	5747.32	44398.05	87502.95	53019.03	0.00	
34	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc., complete. 10 cms thick	Sqm	90.00	966.72	87004.80	0.00	0.00	966.72	0.00	0.00	966.72	0.00	0.00	0.00	87004.80	
35	KSRB 5-8.2 : Providing two line dressing to granite stone slab / granite stone masonry as per specifications. KBS 5.1.13	Sqm	231.00	1584.70	366065.70	0.00	0.00	1584.70	0.00	0.00	1584.70	0.00	0.00	0.00	366065.70	

36	Fabricating, providing and erecting in poiston of M S Ornamental security Grill without hot dip using 75 x 12mm M S Flat for alround frame work with verticals at the centre and horizontal centere support M S Square of 20 x20 mm of different heights as shown in the drawing are to be fixed at 16 cms C/C for suqare bars of full height and at 8cms C / C for bottom rods providg ornamental C I Designers at the botom and C I arrows inthe midle and top. The entire frame work is to be fixed by means of expansion bolts to the brick pillars with	Kgs	5100.00	157.94	805494.00	0.00	0.00	157.94	0.00	0.00	157.94	0.00	0.00	0.00	805494.00	
37	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS	Nos	15.00	6510.00	97650.00	0.00	0.00	6510.00	0.00	0.00	6510.00	0.00	0.00	0.00	97650.00	
38	Fabricating, supplying and erection of ...Mtrs long hot dip Galvanized Octagonal pole with BSEN 10025 grade S 355 JO steel plate for shaft, IS 2062 for base plate with door opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom .....mm, top....mm	Nos	50.00	10930.00	546500.00	0.00	0.00	10930.00	0.00	0.00	10930.00	0.00	0.00	0.00	546500.00	
39	Single Arm Bracket with 1500mm Standard 40/50MM dia	Nos	65.00	2112.00	137280.00	0.00	0.00	2112.00	0.00	0.00	2112.00	0.00	0.00	0.00	137280.00	
40	Supply of LED Streetlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation. Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, maximum light intensity should be between 60 degrees to 70 degrees. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete	Nos	65.00	7160.00	465400.00	0.00	0.00	7160.00	0.00	0.00	7160.00	0.00	0.00	0.00	465400.00	

41	Fabricating supplying and mounting MS box made out ... SWG suitable for floor / wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size clamps with necessary cable entry pipe with gland and box should be finished with 7tanks treatment with powder coated paint and finally finished	Sqcm	60000.00	0.35	21000.00	0.00	0.00	0.35	0.00	0.00	0.35	0.00	0.00	0.00	21000.00	
42	Supplying and fixing angle iron frame work fabricated out of M.S. angle iron.. and M.S. flat ... with bolts, washers etc., and painted with 2 coats of red oxide and then two coats of approved paint.40x40x6mm	Nos	16.00	255.00	4080.00	0.00	0.00	255.00	0.00	0.00	255.00	0.00	0.00	0.00	4080.00	
43	Supplying and fixing Moulded Case Circuit Breaker (MCCB) over the existing wood/panel board using necessary screws, bolts, nuts, necessary phase separators, handle and wiring complete. Protection of Overload and Short circuit with thermal Magnetic/Micro processor release and Earth Fault as per IS-13947. (Icu =	Nos	2.00	6400.00	12800.00	0.00	0.00	6400.00	0.00	0.00	6400.00	0.00	0.00	0.00	12800.00	
44	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, energy cross-3 with Short circuit breaking capacity of 10K and complete wiring as required confirming to IEC 60898. 40	Nos	4.00	1336.00	5344.00	0.00	0.00	1336.00	0.00	0.00	1336.00	0.00	0.00	0.00	5344.00	
45	Supplying and Fixing of. mm dia class A GI pipe bracket up to 2 Mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires.Using	Nos	12.00	835.00	10020.00	0.00	0.00	835.00	0.00	0.00	835.00	0.00	0.00	0.00	10020.00	
46	Supplying of 1.1 KV LT UG cable XLPE or Heat resistant PVC insulated, PVC extruded Inner sheath armoured UG LT cable as per IS-1554 (Part-1) or IS-7098 Part-1, Armouring strip thickness in average +5% and resistivity 14 Ohms/Kms (Max) as per IS-3975 4 core 16 sqmm	m	1650.00	147.00	242550.00	0.00	0.00	147.00	0.00	0.00	147.00	0.00	0.00	0.00	242550.00	
47	Labour charges for laying of 1.1 KV class UG cable in existing trench GI pipe / stoneware pipe / on wall / on pole as required.In existing trench/duct.6 sqmm to 16 sqmm	m	1650.00	11.88	19602.00	0.00	0.00	11.88	0.00	0.00	11.88	0.00	0.00	0.00	19602.00	
48	Digging of trench of 0.6m deep x 0.50 mtr wide refilling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)In soil (ordinary)	m	1200.00	76.00	91200.00	0.00	0.00	76.00	0.00	0.00	76.00	0.00	0.00	0.00	91200.00	

49	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694:confirming to latest amendments.1.5 sqmm	m	1650.00	20.50	33825.00	0.00	0.00	20.50	0.00	0.00	20.50	0.00	0.00	0.00	33825.00	
50	Providing Rcc Pole pedstal of Size 0.5x0.5x1.6 Mtrs Including digging of pit, tor steel, anchoring bolts nuts ,templates ,Centring,1;4;8base concrete,1;2;4pedestal concrete and etc coplete as per the data sheet enclosed 18	Nos	60.00	4180.00	250800.00	0.00	0.00	4180.00	0.00	0.00	4180.00	0.00	0.00	0.00	250800.00	
51	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per	Nos	2.00	2999.70	5999.40	0.00	0.00	2999.70	0.00	0.00	2999.70	0.00	0.00	0.00	5999.40	
52	Thiristor based single/ Three phase smart street light control and monitoring system Remotely control and and monitorable smart street light system by using web or mobile application .smart control system has hardware ruggedness over field issues like line cross, line short, lighting and any other irregularities in voltage. It has some features like 1.Remote lighting	Nos	1.00	51500.00	51500.00	0.00	0.00	51500.00	0.00	0.00	51500.00	0.00	0.00	0.00	51500.00	
53	Supplying and fixing L.T. cast Iron pot heads suitable for 1.1 KV class UG cable filled with necessary bitumen/insulating compound complete with terminals, clamps, bolts, nuts	Nos	1.00	350.00	350.00	0.00	0.00	350.00	0.00	0.00	350.00	0.00	0.00	0.00	350.00	
54	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per	Cum	378.00	316.94	119803.32	0.00	0.00	316.94	0.00	0.00	316.94	0.00	0.00	0.00	119803.32	
55	Supplying PVC ring tight pipes conformin to IS 4980 :2000 With latest amendments and conveying to work site rolling and lowering into trenches laying true line level and prefect linking at joints testing and commissoning incuding loading and un loading at both destinations and cuts of pipes wherever neccessary including joints of PVC pipes and specificals (excluding cost of pipes)with jointing	Mtr	900.00	122.00	109800.00	0.00	0.00	122.00	0.00	0.00	122.00	0.00	0.00	0.00	109800.00	

56	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto	Cum	378.00	128.26	48482.28	0.00	0.00	128.26	0.00	0.00	128.26	0.00	0.00	0.00	48482.28	
57	TEXMO, Atalanta,Suguna,CRI KIRLOSKAR AND other equipment pumps 10.00 HP/7.5Kv(30 Stage)	Nos	1.00	58466.00	58466.00	0.00	0.00	58466.00	0.00	0.00	58466.00	0.00	0.00	0.00	58466.00	
58	Providing & fixing Polyethelene-Aluminium-Polyethelene (PE-AL-PE) Composite Pressure Pipes conforming to IS 15450 duly "ISI" marked, U.V. stabalized with Carbon black for hot & cold water supply, capable to withstand temperature upto 80°C including all special composite fittings (engineering plastic blend	Mtr	250.00	558.62	139655.00	0.00	0.00	558.62	0.00	0.00	558.62	0.00	0.00	0.00	139655.00	
59	Earthwork excavation by manual means for foundations, either in pits or trenches 1.5m and above in width, in soil not exceeding 1.5m, in depth including dressing the bottom and sides of pits and trenches , stacking the excavated soil clear from edges from edges of excavation with lead upto 50m, including breaking of clods	Cum	236.44	322.92	76351.20	56.78	56.78	322.92	18335.40	0.00	322.92	0.00	18335.40	0.00	58015.81	
60	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift.	Cum	9.60	2623.32	25183.87	3.60	3.60	2623.32	9443.95	0.00	2623.32	0.00	9443.95	0.00	15739.92	
61	Providing and injecting chemical emulsion for Pre- constructional Anti-Termite Treatment creating continuous chemical barrier under and around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on	Sqm	31.08	114.48	3558.04	7.02	7.02	114.48	803.65	0.00	114.48	0.00	803.65	0.00	2754.39	
62	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC @ 180 kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, machine mixed, concrete laid in layers not	Cum	12.47	5510.16	68711.70	8.21	8.21	5510.16	45238.41	0.00	5510.16	0.00	45238.41	0.00	23473.28	
63	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course	Cum	9.33	4963.68	46311.13	5.49	5.49	4963.68	27250.60	0.00	4963.68	0.00	27250.60	0.00	19060.53	
64	KSRB 4.1.6 : Providing and laying in position reinforced cement concrete of design mix M15 with OPC cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @	Cum	4.11	5855.76	24067.17	0.93	0.93	5855.76	5445.86	0.00	5855.76	0.00	5445.86	0.00	18621.32	

65	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008, machine mixed,	Cum	5.98	6111.72	36548.09	9.85	7.48	6111.72	45685.11	2.38	6111.72	14515.34	60200.44	23652.36	0.00	
66	KSRB 4.2.8: Providing and laying in position reinforced cement concrete of design Mix M20 with OPC @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels, and beams	Cum	9.77	6363.36	62170.03	10.95	10.95	6363.36	69678.79	0.00	6363.36	0.00	69678.79	0.00	0.00	
67	KSRB 4-6.1: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications.	Sqm	23.04	278.64	6419.87	55.14	28.80	278.64	8024.83	26.34	278.64	7339.38	15364.21	0.00	0.00	
68	KSRB 4-6.9 :Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications.	Sqm	65.37	815.40	53302.70	97.28	81.71	815.40	66628.37	15.57	815.40	12693.74	79322.11	26019.41	0.00	
69	KSRB 5-14 : Providing and constructing precast concrete solid blocks with compressive strength not less than 3.5 Newton per sqm with cement mortar 1:4 masonry (quoin, Jamb, closer blocks) with solid concrete blocks of size 40x15x20cms conforming to I.S: 2185/1965 in superstructure including cost of materials, labour charges, scaffolding, curing complete as	Sqm	114.27	1029.24	117611.25	91.14	91.14	1029.24	93804.93	0.00	1029.24	0.00	93804.93	0.00	23806.32	
70	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost	MT	1.62	69562.80	112691.74	1.83	1.83	69562.80	127299.92	0.00	69562.80	0.00	127299.92	14608.19	0.00	
71	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. In depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. Including cost of all labour	Cum	199.06	217.08	43211.94	309.10	248.83	217.08	54014.93	60.28	217.08	13084.50	67099.43	23887.48	0.00	

72	Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry incluing rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. Cement Mortar 1:4.. Cement Morter 1:4	Sqm	101.57	281.88	28630.55	234.04	126.96	281.88	35788.19	107.08	281.88	30183.01	65971.20	37340.64	0.00	
73	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Colour glazed tiles 30x60 cms	Sqm	111.11	1762.56	195838.04	109.95	109.95	1762.56	193793.47	0.00	1762.56	0.00	193793.47	0.00	2044.57	
74	KSRB 15-3.14: Providing 12mm thick cement plaster in single coat with cement mortar 1:4 (with lime rendering) to ceiling inclunding & rounded off corners wherever required smooth rendering Providing & removing scaffolding, including cost of materials, labour curing	Sqm	34.51	243.00	8385.93	166.39	43.14	243.00	10482.41	123.25	243.00	29950.36	40432.77	32046.84	0.00	
75	Providing vitrified tiles 60 x 60cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour,	Sqm	27.31	972.00	26545.32	29.16	29.16	972.00	28343.52	0.00	972.00	0.00	28343.52	1798.20	0.00	
76	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for	Sqm	7.20	1213.92	8740.22	9.60	9.00	1213.92	10925.28	0.60	1213.92	728.35	11653.63	0.00	0.00	
77	KSRB 15-16.1 : Providing and finishing external walls in two coats with waterproof cement paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour,	Sqm	101.57	110.16	11188.95	0.00	0.00	110.16	0.00	0.00	110.16	0.00	0.00	0.00	11188.95	
78	KSRB 10-3 : Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after	Sqm	34.51	1073.52	37047.18	51.16	43.14	1073.52	46308.97	8.02	1073.52	8612.31	54921.28	17874.11	0.00	

79	SOLID PANEL PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm fro styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles &5mm	Sqm	7.56	2999.16	22673.65	7.88	7.88	2999.16	23618.39	0.00	2999.16	0.00	23618.39	944.74	0.00	
80	KSRB 9.4-3 : Providing Mathi / Nandi wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per	Sqm	0.13	68479.56	8902.34	1.32	0.16	68479.56	11127.93	1.16	68479.56	79265.09	90393.02	0.00	0.00	
81	KSRB 9.5-3 : Providing and fixing in position fully panelled Mathi/Nandi wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels	Sqm	5.04	4510.08	22730.80	5.04	5.04	4510.08	22730.80	0.00	4510.08	0.00	22730.80	0.00	0.00	
82	KSRB 9-27.1 : Fixing of door frame in an existing opening including embeeding frame in floor and walls after cutting masonry for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and down size granite metal painting	Sqm	6.00	1475.28	8851.68	0.00	0.00	1475.28	0.00	0.00	1475.28	0.00	0.00	0.00	8851.68	
83	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of	Sqm	75.60	102.60	7756.56	43.26	43.26	102.60	4438.48	0.00	102.60	0.00	4438.48	0.00	3318.08	
84	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent	m	50.00	253.80	12690.00	50.00	50.00	253.80	12690.00	0.00	253.80	0.00	12690.00	0.00	0.00	
85	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making	m	50.00	403.92	20196.00	49.00	49.00	403.92	19792.08	0.00	403.92	0.00	19792.08	0.00	403.92	
86	KSRB13-6.3-2 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per	Each	6.00	362.88	2177.28	0.00	0.00	362.88	0.00	0.00	362.88	0.00	0.00	0.00	2177.28	

87	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S	Unit	2.00	5352.48	10704.96	0.00	0.00	5352.48	0.00	0.00	5352.48	0.00	0.00	0.00	10704.96	
88	KSRB 11-2 : Providing and fixing white vitreous china clay, water closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 32mm diameter	Unit	2.00	4561.92	9123.84	0.00	0.00	4561.92	0.00	0.00	4561.92	0.00	0.00	0.00	9123.84	
89	KSRB 11-7.3 : Providing and fixing white vitreous china clay, flat back, lipped front urinal asin of 430x260x350mm in the range of three 7.5 litres PVC automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass	Unit	4.00	3551.04	14204.16	0.00	0.00	3551.04	0.00	0.00	3551.04	0.00	0.00	0.00	14204.16	
90	KSRB 11-11.1 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including	Unit	4.00	4327.56	17310.24	0.00	0.00	4327.56	0.00	0.00	4327.56	0.00	0.00	0.00	17310.24	
91	KSRB13-6.1-2 : Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads	Each	20.00	186.84	3736.80	0.00	0.00	186.84	0.00	0.00	186.84	0.00	0.00	0.00	3736.80	
92	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to	Each	10.00	270.00	2700.00	0.00	0.00	270.00	0.00	0.00	270.00	0.00	0.00	0.00	2700.00	
93	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per	Each	4.00	1226.88	4907.52	0.00	0.00	1226.88	0.00	0.00	1226.88	0.00	0.00	0.00	4907.52	
94	KSRB 13-11 : Providing and placing on terrace, polyethylene water storagetanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements,making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport	Nos	1.00	7374.24	7374.24	0.00	0.00	7374.24	0.00	0.00	7374.24	0.00	0.00	0.00	7374.24	
95	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using copper PVC insulated multi strand2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length	Each	40.00	174.00	6960.00	0.00	0.00	174.00	0.00	0.00	174.00	0.00	0.00	0.00	6960.00	

96	Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using copper PVC insulated multi strand2x1.5Sqmm copper wire with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length	Each	10.00	245.00	2450.00	0.00	0.00	245.00	0.00	0.00	245.00	0.00	0.00	0.00	2450.00	
97	Supplying and mounting 2 Nos. of 2 way 6 amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flush mounted	Each	5.00	171.00	855.00	0.00	0.00	171.00	0.00	0.00	171.00	0.00	0.00	0.00	855.00	
98	Supplying 6A flush type socket and 6 amps flush type SP switch either flush mounting in a existing in a 4mm thick plastic sheet and fixing over a flush mounted wooden box and wiring	Each	90.00	150.00	13500.00	0.00	0.00	150.00	0.00	0.00	150.00	0.00	0.00	0.00	13500.00	
99	Supply and fixing of bakelite modular switch/ socket /stepped electronic fan regulator on existing modular switch plate as per IS 3854 and	Each	22.00	286.00	6292.00	0.00	0.00	286.00	0.00	0.00	286.00	0.00	0.00	0.00	6292.00	
100	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and 'C' Type curve , indicator ON/OFF, energy cross-3 with Short	Each	1.00	418.00	418.00	0.00	0.00	418.00	0.00	0.00	418.00	0.00	0.00	0.00	418.00	
101	Fixing all types and all capacities of fluorescent / false ceilling / spot / LED fittings indoor on the wall / celling / rafters / girders using 23/0.0076" twin twisted PVC insulated wires, required Nos	Each	3.00	98.00	294.00	0.00	0.00	98.00	0.00	0.00	98.00	0.00	0.00	0.00	294.00	
102	Supplying of 1440rpm heavy duty exhaust fan with bracke tblades suitable to operate on 230V 50Hz, AC Supply complete.(78/9.2.2) I) 12" Sweep (300mm)	Each	6.00	3654.00	21924.00	0.00	0.00	3654.00	0.00	0.00	3654.00	0.00	0.00	0.00	21924.00	
103	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system and as per	Each	2.00	1900.00	3800.00	0.00	0.00	1900.00	0.00	0.00	1900.00	0.00	0.00	0.00	3800.00	
104	Supplying of 2'x2' LED recessed liminaire with 36 Watts system wattage. Housing Shall be with pressure die cast aliminum alloy with corrosion proof resistant polyester power coated. Drive operates with voltage range from 100V to 270V 50/60Hz with short circuit, overload and mis-wiring protection. Lumen Maintenance of 70%	Each	2.00	8242.00	16484.00	0.00	0.00	8242.00	0.00	0.00	8242.00	0.00	0.00	0.00	16484.00	
105	Supplying of LT UG cable having aluminium conductor PVC insulated, sheathed, galvanised, steel wire/steel tap armoured cable with PVC outer sheathing 1.1 KV class.(55/7.4) Class `A' PVC Cable 3.5 core 25 sqmm	mtr	10.00	657.00	6570.00	0.00	0.00	657.00	0.00	0.00	657.00	0.00	0.00	0.00	6570.00	

106	Digging of trench of 0.6m deep x 0.50 mtr wide refiling the trench to the required ground level and consolidating etc., complete.(As per Civil SR KSRB I-2, P-7)(61/7.9)In soil (ordinary)	mtr	10.00	78.00	780.00	0.00	0.00	78.00	0.00	0.00	78.00	0.00	0.00	0.00	780.00	
	Grand total				**33582631.73**				**25212009.63**			**3288570.97**	**28500580.60**	**5028399.69**	**11850175.98**	

Note: Percentage of Workslip over the sanctioned Estimate=Excess amount over the approved amount/Amount Put to tender x 100

Approved Amount =	**33582631.73**
Excess Amount =	**5028399.69**

$$\text{Percentage of Worslip} = \frac{\text{Excess Amount}}{\text{Approved Amount}} \times 100$$

Percentage of Worslip =	**14.97**	**%**

Contractor

Assistant Engineer
Yelahanka Project Division

Assistant Executive Engineer
Yelahanka Project Division

Executive Engineer
Yelahanka Project Division

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ